

IN THE CLAIMS

1. (Previously Amended) A process for transmitting data between a radio communication network that transmits data at a specified rate and data processing means comprising a personal computer linked to the network by terminal means, wherein the terminal means includes data adapter means through which the data flows under the control of sequencer means, said process comprising the steps of locking the sequencer means to the rate of the network and synchronizing the flow of the data through the adapter means with the network, by filling a first buffer register with data to be sent, said data originating from the processing means, generating extraction pulses by the sequencer means, said extraction pulses synchronized with the rate of the network, extracting with the extracting pulses the data from the first buffer register, encoding said data by the data adaptor mean and transmitting said data to a network interface radio means, storing data originating from the radio communication network in a second buffer register, extracting with the extracting pulse the data from the second buffer register, decoding said data and transmitting said data to the processing means.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) A data transmission module ~~for implementing the process of claim 1,~~ comprising

network interface radio means for interfacing a data processing means with a radio communication network, wherein said radio communication network transmits data at a specified rate,

data adapter means interposed between the network interface radio means and the data processing means through which data flows under the control of a sequencer means,

wherein the sequencer means and the adapter means are grouped into a central unit comprising means for frequency-locking the sequencer means to the rate of the network.

7. (Previously Amended) The transmission module as claimed in claim 6, wherein the frequency-locking means comprises a time base regulated by the radio communication network.

8. (Previously Amended) The transmission module as claimed in claim 7, wherein the time base comprises frequency dividers divide the rate of the network and cyclically control data exchanges between the data adapter means and the network interface radio means.

9. (Currently Amended) The transmission module as ~~claims~~claimed in claim 8, wherein the data adapter means comprise at least one buffer register for exchanging data with the network interface radio means, wherein said at least one buffer register is controlled by the frequency dividers.

10. (Previously Amended) The transmission module as claimed in claim 8, wherein the data adapter means are connected to at least one buffer register for exchanging data with the data processing means, wherein said at least one buffer register is controlled by the frequency dividers.

11. (Previously Amended) The transmission module as claimed in claim 8, wherein the data adapter means carry out the data adaptation in synchronism with said data exchanges with the network interface radio means.

12. (Previously Amended) The transmission module as claimed in claim 11, wherein the sequencer means control in succession a transfer of data from the data processing means to a send path input buffer register, from the latter to the data adapter means and from the latter to the network interface radio means through a send-mode output register.

13. (Previously Amended) The transmission module as claimed in claim 11, wherein the sequencer means control in succession a transfer of data from the network interface radio means to a receive path input register, from the latter to the data adapter means and from the latter to the data processing means through a receiver-mode output register.

14. (Previously Amended) The transmission module as claimed in claim 6, wherein the data processing means are incorporated into said transmission module.

15. A mobile radio telephone terminal incorporating the module as claimed in claim 14.
16. (Previously Amended) The mobile terminal as claimed in claim 15, wherein the data processing means process data exchanged with the internet network..
17. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 6.
18. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 7.
19. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 8.
20. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 9.
21. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 10.
22. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 11.
23. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 12.
24. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 13.
25. (Currently Amended) The mobile radio telephone terminal incorporating the module as ~~claims-claimed~~ in claim 14.